

ABSTRACT

A printable, coated, biaxially oriented film is provided that includes a polypropylene base film having a first and a second side, and a urethane coating on the first side. The coating has been applied to the base film between a machine direction orientation and a transverse direction orientation of a two step tentering operation. A method for manufacturing the film is also provided which includes the steps of forming a base film of a substantially uniform film layer of polypropylene, uniaxially orienting the base film by machine direction stretching, applying a coating of urethane to a first side of the uniaxially oriented base film, and biaxially orienting the coated film by stretching the film transversely to the machine direction.

5